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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/003,904	11/01/2001	Karl Thiele	41856/JEC/X2/134052	7707

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ALCATEL INTERNETWORKING, INC.
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EXAMINER
CAO, DIEM K

ART UNIT	PAPER NUMBER
2194	

DATE MAILED: 03/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	
Office Action Summary		10/003,904	THIELE, KARL	
		Examiner	Art Unit	
		Diem K Cao	2126	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _01 November 2001_.
2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.
3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-20_ is/are pending in the application.
    4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5)☐ Claim(s) _____ is/are allowed.
6)☒ Claim(s) _1-20_ is/are rejected.
7)☐ Claim(s) _____ is/are objected to.
8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.
10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a)☐ All b)☐ Some * c)☐ None of:
      1.☐ Certified copies of the priority documents have been received.
      2.☐ Certified copies of the priority documents have been received in Application No. _____.
      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _1/17/03, 9/2/03_.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .
5)☐ Notice of Informal Patent Application (PTO-152)
6)☐ Other: _____.

DETAILED ACTION

1.   Claims 1-20 are presented for examination.

Claim Objections

2.   Claims 19 and 20 are objected to because of the following informalities: Claims 19 and

20 cite "The method of claim 14" which is incorrect. Examiner interprets as "The method of

claim 15" for examination purpose. Appropriate correction is required.

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
> section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are
> such that the subject matter as a whole would have been obvious at the time the invention was made to a person
> having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the
> manner in which the invention was made:

4.   Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ismael et al.

(EP 0 909 058 A2) in view of Boyle III et al. (EP 0 810 799 A2).

5.   **As to claim 1**, Ismael teaches a data management framework for a data communications

network (a generic management framework for a network management system; abstract)

including a client (stations 4 and 5; col. 5, lines 36-40 and Fig. 1) and a server in communication

with the client (station 3; col. 5, lines 36-40 and Fig. 1), characterized in that the server provides

a dynamically constructed model of elements of the data communications network (network

management system agent; col. 7, lines 51-58 and an extensible agent framework ... same

architecture; col. 6, lines 30-36), the model provides multiple programming interfaces for allowing the client to dynamically access the elements (The framework is a JavaBeans ... for introspection; col. 8, lines 31-34 and A managed object adaptor server ... agent; col. 10, lines 16-23, an adapter API; col. 12, lines 35-41 and col. 13, lines 2-15) and dynamically add new elements in performing network management functions (col. 13, lines 2-15 and col. 6, lines 44-46 and col. 7, lines 29-32).

6.   However, Ismael does not teach a uniform programming interface. Boyle teaches a uniform programming interface (An administration interface ... programs; col. 2, lines 7-16).

7.   It would have been obvious to one of ordinary skill in the art to combine the teaching of Ismael and Boyle because the teaching of Boyle will allow the users to access the system utilizing only one interface instead of one interface for each type of protocol.

8.   As to claim 2, Ismael teaches the model is constructed using object oriented programming techniques (JavaBeans, Java, Java virtual machine; col. 7, lines 17-18, line 53, col. 8, lines 5-10, lines 31-34).

9.   As to claim 3, Ismael teaches each element is represented as an object instance that is self-descriptive (col. 6, line 47 – col. 7, lines 8 and all the core management ... JavaBeans components; col. 7, lines 14-18 and col. 8, lines 5-10).

10.   **As to claim 4**, Ismael teaches the model is associated with an application service

provided by the data communications network (m-bean repository service or filtering service or

metadata service or access control service; col. 9, lines 8-10, lines 27-28, lines 32-33, lines 50-

51).

11.   **As to claim 5**, Ismael does not teach the application service is a policy management

service. Boyle teaches the application service is a policy management service (col. 9, lines 49-

58).

12.   **As to claim 6**, Ismael teaches a data management framework for a data communications

network (a generic management framework for a network management system; abstract), the

data management framework comprising an application service providing application functions

for the network (m-bean repository service or filtering service or metadata service or access

control service; col. 9, lines 8-10, lines 27-28, lines 32-33, lines 50-51), a modeling tool for

creating a dynamic model of elements associated with the application service (network

management system agent; col. 7, lines 51-58 and an extensible agent framework ... same

architecture; col. 6, lines 30-36), and an interface providing dynamic access to the elements for

performing network management functions (The framework is a JavaBeans ... for introspection;

col. 8, lines 31-34 and A managed object adaptor server ... agent; col. 10, lines 16-23, an adapter

API; col. 12, lines 35-41 and col. 13, lines 2-15).

13.   However, Ismael does not teach a uniform programming interface. Boyle teaches a

uniform programming interface (An administration interface ... programs; col. 2, lines 7-16).

14.   It would have been obvious to one of ordinary skill in the art to combine the teaching of

Ismael and Boyle because the teaching of Boyle will allow the users to access the system

utilizing only one interface instead of one interface for each type of protocol.

15.   **As to claim 7, see rejection of claim 5 above.**

16.   **As to claim 8, see rejection of claim 2 above.**

17.   **As to claim 9, see rejection of claim 3 above.**

18.   **As to claim 10,** Ismael teaches the uniform programming interface allows the dynamic

addition of new application service for being represented by a model (col. 13, lines 2-15 and col.

6, lines 44-46 and col. 7, lines 29-32).

19.   **As to claim 12,** Ismael teaches a data management framework (a generic management

framework for a network management system; abstract) including a dynamically constructed

mode of a plurality of elements (network management system agent; col. 7, lines 51-58 and an

extensible agent framework ... same architecture; col. 6, lines 30-36), the model providing an

interface for allowing dynamic access of the elements and dynamic addition of new element in

performing network management functions (The framework is a JavaBeans ... for introspection;

col. 8,lines 31-34 and A managed object adaptor server ... agent; col. 10, lines 16-23, an adapter

API; col. 12, lines 35-41 and col. 13, lines 2-15).

20.   However, Ismael does not teach the framework is for policy management, policy-related

elements, and a uniform programming interface. Ismael teaches multiple services are related to

the framework (m-bean repository service or filtering service or metadata service or access

control service; col. 9, lines 8-10, lines 27-28, lines 32-33, lines 50-51). Boyle teaches

framework for policy management (col. 9, lines 49-58), policy-related elements (context

member; col. 6, lines 21-24), and a uniform programming interface (An administration interface

... programs; col. 2, lines 7-16).

21.   It would have been obvious to one of ordinary skill in the art to combine the teaching of

Ismael and Boyle because the teaching of Boyle will allow the users to access the system

utilizing only one interface instead of one interface for each type of protocol.

22.   **As to claim 13**, see rejection of claim 2 above.

23.   **As to claim 14**, see rejection of claim 3 above.

24.   **As to claim 15**, Ismael teaches providing an application service for the network (m-bean

repository service or filtering service or metadata service or access control service; col. 9, lines

8-10, lines 27-28, lines 32-33, lines 50-51), creating a dynamic model of elements associated

with the application service (network management system agent; col. 7, lines 51-58 and an

extensible agent framework ... same architecture; col. 6, lines 30-36), and providing a

programming interface for providing dynamic access to the elements for performing network

management functions (The framework is a JavaBeans ... for introspection; col. 8,lines 31-34

and A managed object adaptor server ... agent; col. 10, lines 16-23, an adapter API; col. 12, lines

35-41 and col. 13, lines 2-15).

25.   However, Ismael does not teach a uniform programming interface. Boyle teaches a

uniform programming interface (An administration interface ... programs; col. 2, lines 7-16).

26.   It would have been obvious to one of ordinary skill in the art to combine the teaching of

Ismael and Boyle because the teaching of Boyle will allow the users to access the system

utilizing only one interface instead of one interface for each type of protocol.

27.   **As to claim 16**, see rejection of claim 5 above.

28.   **As to claim 17**, see rejection of claim 2 above.

29.   **As to claim 18**, Ismael teaches the step of creating the model comprises the step of

creating an object instance representing each element of the model (col. 6, line 47 – col. 7, lines

8 and all the core management ... JavaBeans components; col. 7, lines 14-18 and col. 8, lines 5-10).

30.   **As to claim 19**, Ismael teaches dynamically adding new elements into the model (col. 13, lines 2-15).

31.   **As to claim 20**, Ismael teaches dynamically adding a new application service for being represented by a new data model (col. 9, lines 39-49).

Conclusion

32.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

-    Hayball et al. (US 2001/0056481 A1) teaches mechanism for integration of management functionality in communications networks.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Diem K Cao whose telephone number is (571) 272-3760. The examiner can normally be reached on Monday - Friday, 8:00AM - 3:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:
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